

FIELD ADJUSTABLE IMPACT JAR

ABSTRACT

[0081] An impact jar including a biasable member, an impactor and an impactee slidably coupled to the impactor. The impactor includes a first down-hole tool connector. The impactee includes a second down-hole tool connector distal from the first down-hole tool connector and a plurality of flexible coupling fingers. The biasable member is detachably engaged by the plurality of flexible coupling fingers in a pre-impact position and is configured to disengage the plurality of flexible coupling fingers in response to a tensile force applied across the first and second down-hole tool connectors reaching a predetermined quantity. The impactor and the impactee are configured to impact in response to the disengagement of the biasable member and the plurality of flexible coupling fingers. In one embodiment, the impact jar may be employed in either of e-line and slickline applications.